

Amendments to the Claims:

Please amend Claims 1 through 13, 15 through 17, 20 through 30, and 32 through 40 to read, as follows.

1. **(Currently Amended)** An image forming apparatus comprising:

a first developing agent storing section which stores toner;

a toner replenishing member for supplying the toner stored in said first developing agent storing section to a second developing agent storing section;

a density detector for detecting a toner density in said second developing agent storing section; and

a controller which controls an operation of said toner replenishing member on the basis of information relating to a detected toner density, information relating to ~~about~~ an amount of toner used in said first developing agent storing section and information relating to ~~about~~ fluidity of the toner.

2. **(Currently Amended)** The apparatus according to claim 1, further comprising ~~wherein the apparatus further comprises~~ a storage section which ~~stores information about toner, said storage section~~ stores information relating to a ~~about~~ toner replenishing amount per unit rotation of said toner replenishing member in accordance with the information relating to ~~about~~ the amount of toner used in said first developing agent storing section and information relating to ~~about~~ the fluidity of the toner,

wherein ~~[[and]]~~ said controller calculates a ~~[[the]]~~ number of times of operation of said toner replenishing member on the basis of the toner replenishing amount per unit rotation.

3. **(Currently Amended)** The apparatus according to claim 2, wherein said controller calculates a total amount of toner ~~a developing agent~~ used in said first developing agent storing section on the basis of the number of times of operation of said toner replenishing member.

4. **(Currently Amended)** The apparatus according to claim 3, wherein said controller determines a state of an amount of the toner in said first developing agent storing section by comparing the ~~[[a]]~~ total amount of toner used in said first developing agent storing section with a predetermined threshold value.

5. **(Currently Amended)** The apparatus according to claim 4, further comprising a notification unit configured to notify a user of the image ~~forming apparatus~~ of a determination result of ~~obtained in~~ said controller.

6. **(Currently Amended)** The apparatus according to claim 4, wherein an image forming operation of the ~~image-forming~~ apparatus is stopped when said controller determines that the total amount of the toner used in said first developing agent storing section reaches the predetermined threshold value.

7. **(Currently Amended)** The apparatus according to claim 1, further comprising  
~~wherein, the apparatus further comprises~~ an environment detecting section which  
detects an environment in a main body of the apparatus, and  
wherein the information relating to ~~about~~ the fluidity of the toner comprises  
information relating to a detected ~~about the~~ environment in the main body of the apparatus  
which is detected by the environment detecting section.

8. **(Currently Amended)** The apparatus according to claim 1, wherein said first  
developing agent storing section and toner replenishing member constitute a toner  
replenishing container which is integrally formed and detachable from a main body of the  
~~image forming~~ apparatus.

9. **(Currently Amended)** The apparatus according to claim 2, wherein said first  
developing agent storing section, said toner replenishing member, and said storage section  
constitute a toner replenishing container which is integrally formed and detachable from a  
main body of the ~~image forming~~ apparatus.

10. **(Currently Amended)** A method of controlling an image forming apparatus  
comprising a first developing agent storing section which stores toner, ~~toner and~~ a toner  
replenishing member for supplying the toner in the first developing agent storing section to  
a second developing agent storing section and a density detector for detecting a toner  
density in the second developing agent storing section, the method comprising:

a use amount determination step of determining an amount of toner used in the first developing agent storing section; and

an operation control step of controlling an operation of the toner replenishing member on the basis of information relating to ~~about~~ the amount of toner used determined in said ~~[[the]]~~ use amount determination step and information relating to ~~about~~ fluidity of the toner.

11. **(Currently Amended)** The method according to claim 10, further comprising ~~wherein~~

~~the method further comprises~~ a detection step of detecting an environment in a main body of the apparatus, and

the information relating to ~~about~~ the fluidity of the toner includes ~~comprises~~ information relating to a detected ~~about the~~ environment in the main body of the apparatus ~~which is~~ detected in said ~~[[the]]~~ detection step.

12. **(Currently Amended)** The method according to claim 10, further comprising a toner replenishing amount determination step of determining a toner replenishing amount per unit rotation of the toner replenishing member on the basis of the amount of a developing agent used determined in said ~~the developing agent~~ use amount determination step and the information relating to ~~about~~ the fluidity of the toner stored, ~~stored in a storage section~~.

13. **(Currently Amended)** The method according to claim 12, further comprising a number of rotations calculation step of calculating a ~~[[the]]~~ number of times of operation of the toner replenishing member on the basis of the toner replenishing amount per unit rotation determined in said ~~[[the]]~~ toner replenishing amount determination step.

14. **(Currently Amended)** The method according to claim 13, further comprising a toner total use amount calculation step of calculating a total amount of toner used in the first developing agent storing section on the basis of the number of times of operation of the toner replenishing member calculated in said ~~[[the]]~~ number of rotations calculation step.

15. **(Currently Amended)** The method according to claim 14, further comprising a determination step of determining a state of an amount of the toner in the first developing agent storing section from the total ~~[[use]]~~ amount of toner used in the first developing storage section and a predetermined threshold value.

16. **(Currently Amended)** The method according to claim 15, further comprising a notification step of notifying a user of the ~~image-forming~~ apparatus of a determination result of said ~~in the~~ determination step.

17. **(Currently Amended)** The method according to claim 15, further comprising a stopping step of stopping an ~~wherein image-forming~~ operation of the ~~image-forming~~ apparatus ~~is stopped~~ when it is determined in said ~~[[the]]~~ determination step that the total

[[use]] amount of toner used in the first developing storage section reaches the predetermined threshold value.

18. **(Original)** A control program for an image forming apparatus, causing a computer to execute a control method for the image forming apparatus which is defined in claim 10.

19. **(Original)** A computer-readable information storage medium storing a control program for an image forming apparatus which is defined in claim 10.

20. **(Currently Amended)** A developing agent replenishing container which is detachable from an image forming apparatus, the container comprising:

a developing agent storing section which stores toner;

a toner replenishing member for supplying the toner to a main body of the ~~image forming~~ apparatus; and

a storage section which stores information relating to ~~about~~ the toner,

wherein said storage section includes ~~comprises~~ a region which stores information for controlling an operation of a developing agent replenishing member on the basis of information relating to a toner density detected by a density detector in a main body of the apparatus, information relating to ~~about~~ an amount of toner used in said developing agent storing section and information relating to ~~about~~ fluidity of the toner.

21. **(Currently Amended)** The container according to claim 20, wherein the information for controlling the operation of the developing agent replenishing member includes ~~comprises~~ information relating to a ~~about~~ toner replenishing amount per unit rotation of said toner replenishing member in accordance with the information relating to ~~about~~ the amount of the toner used in said developing agent storing section and information relating to ~~about~~ the fluidity of the toner.

22. **(Currently Amended)** The container according to claim 20, wherein said storage section includes ~~further comprises~~ a region which stores the information relating to ~~about~~ the amount of the toner used in said developing agent storing section.

23. **(Currently Amended)** A memory unit mounted in a developing agent replenishing container for use in an image forming apparatus including ~~apparatus, wherein~~  
~~the image forming apparatus comprises~~ a first developing agent storing section which stores a developing agent and a toner replenishing member for supplying toner to a second developing agent storing section, and a density detector for detecting a toner density in the second developing agent storing section, [[and]]

the memory unit comprises: ~~comprises~~ a region which stores information for controlling an operation of the toner replenishing member on the basis of information relating to the toner density in the second developing agent storing section, information relating to ~~about~~ an amount of toner used in the first developing agent storing section and information relating to ~~about~~ fluidity of the toner.

24. **(Currently Amended)** The memory unit according to claim 23, wherein, the image forming apparatus further includes ~~comprises~~ an environment detecting section which detects an environment in the ~~image forming~~ apparatus, and the information relating to ~~about~~ the fluidity of the toner includes ~~comprises~~ information relating to ~~about~~ the detected environment in the apparatus which is detected by the environment detecting section.

25. **(Currently Amended)** The memory unit according to claim 23, wherein the information for controlling the operation of the toner replenishing member includes ~~comprises~~ information relating to a ~~about~~ toner replenishing amount per unit rotation of the toner replenishing member in accordance with the information relating to ~~about~~ the amount of the toner used in the first developing storage section and information relating to ~~about~~ the fluidity of the toner.

26. **(Currently Amended)** The memory unit according to claim 23, further comprising a region which stores the information relating to ~~about~~ the amount of the toner used in the first developing storage section. ~~used:~~

27. **(Currently Amended)** The memory unit according to claim 23, further comprising a communication section for communicating with a main body of the ~~image forming~~ apparatus.



28. **(Currently Amended)** An image forming apparatus which has a detachable cartridge comprising a first developing agent storing section which stores toner, a toner replenishing member for supplying the toner in the first developing agent storing section to an image forming section, a storage section which stores information relating to conveyability information of the toner, the apparatus comprising: comprising

a controller which controls an operation of the toner replenishing member on the basis of the conveyability information, according to information relating to an amount of toner used in the first developing agent storing section and information relating to fluidity of the toner information stored in the ~~[[said]]~~ storage section.

29. **(Currently Amended)** The apparatus according to claim 28, wherein ~~wherein;~~ the conveyability information includes information relating to a ~~about~~ toner replenishing amount per unit rotation of the toner replenishing member in accordance with information relating to the ~~about an~~ amount of toner used in the first developing agent storing section and information relating to the ~~about~~ fluidity of the toner, and

said controller calculates a ~~[[the]]~~ number of times of operation of the toner replenishing member on the basis of the toner replenishing amount per unit rotation.

30. **(Currently Amended)** The apparatus according to claim 29, wherein said controller also calculates a total amount of toner used in the first developing agent storing section on the basis of the number of times of operation of the toner replenishing member.

31. **(Original)** The apparatus according to claim 30, wherein said controller determines a state of an amount of the toner in the first developing agent storing section by comparing the total amount of toner used in the first developing agent storing section with a predetermined threshold value.

32. **(Currently Amended)** The apparatus according to claim 29, further comprising wherein;

~~the apparatus further comprises~~ an environment detecting section which detects an environment in a main body of the apparatus, and

wherein the information relating to a ~~about the~~ fluidity of the toner includes comprises information relating to ~~about the~~ detected environment in the main body of the apparatus which is detected by said ~~[[the]]~~ environment detecting section.

33. **(Currently Amended)** A developing agent replenishing container which is detachable from an image forming apparatus, the container comprising:

a developing agent storing section which stores toner;

a toner replenishing member for supplying the toner to a main body of the ~~image forming~~ apparatus; and

a storage section which stores information relating to ~~about~~ the toner,

wherein said storage section includes comprises a region which stores conveyability information of the toner according to information relating to an amount of toner used in said first developing agent storing section and information relating to fluidity of the toner.  
~~in said developing agent storing section.~~

34. **(Currently Amended)** The container according to claim 33, wherein the conveyability information of the toner includes ~~comprises~~ information relating to a ~~about~~ toner replenishing amount per unit rotation of said toner replenishing member in accordance with information relating to the ~~about an~~ amount of toner used and information relating to the ~~about~~ fluidity of the toner.

35. **(Currently Amended)** The container according to claim 33, wherein said storage section includes ~~further comprises~~ a region which stores information relating to the ~~about an~~ amount of the toner used in said developing agent storing section.

36. **(Currently Amended)** A memory unit mounted in a developing agent replenishing container for use in an image forming apparatus including ~~apparatus, wherein;~~  
~~the image forming apparatus comprises~~ a first developing agent storing section which stores a developing agent and a toner replenishing member for supplying toner to an image forming section, [[and]]

the memory unit comprising: ~~comprises~~ a region which stores conveyability information of toner according to information relating to an amount of toner used in said first developing agent storing and information relating to fluidity of the toner. ~~in the first developing agent storing section.~~

37. **(Currently Amended)** The memory unit according to claim 33, wherein the conveyability information of the toner includes ~~comprises~~ information relating to a ~~about~~ toner replenishing amount per unit rotation of the toner replenishing member in accordance

with information relating to the ~~about an~~ amount of toner used in the first developing agent storing section and information relating to the ~~about~~ fluidity of the toner.

38. **(Currently Amended)** The memory unit according to claim 37, wherein, the image forming apparatus further comprises an environment detecting section which detects an environment in the image forming apparatus, and wherein the information relating to ~~about~~ the fluidity of the toner comprises information relating to ~~about~~ the detected environment in the apparatus which is detected by the environment detecting section.

39. **(Currently Amended)** The memory unit according to claim 36, further comprising a region which stores the information relating to ~~about~~ the amount of the toner used in the first developing storage section. ~~used.~~

40. **(Currently Amended)** The memory unit according to claim 36, further comprising a communication section for communicating with a main body of the ~~image~~ forming apparatus.